

SUMMARY

In order to provide an alloy which, on the one hand, can be used for the synthesis of crown and bridge frameworks that may be provided with a tooth-colored veneer of ceramic material, and, on the other hand, enable the synthesis of model casting bases, a nonprecious metal dental casting alloy is provided which substantially consists of:

26 – 35	wt%	Cr
2 – 6	wt%	Mo
3 – 12	wt%	W
0.8 – 1.5	wt%	Si
up to 0.3	wt%	Mn
0.1 – 0.35	wt%	N
<0.1	wt%	Ni
0.2 – 1.5	wt%	Ta

and manufacturing impurities of <0,1 wt% in each case,

remainder cobalt,

the content of tungsten being always greater than the content of molybdenum.